

Abstract

[0031] An electric motor additive speed drive assembly comprising at least two incrementally increasing diameter electric motors mounted in an integrated concentric manner along a common axis such that the speed and horsepower of the assembly output shaft is the sum of the speed and horsepower of the energized electric motors in the assembly. At least one set of electrically conductive end bearings spans the annular space between the casings of each motor in the assembly allowing the stators of each internal motor to rotate. Electricity is conducted to each inner motor through the electrically conductive end bearings.